



## Technical data

- In accordance to DIN VDE 0262/12.95 and DIN VDE 0281 part 13, with insulation wall thickness for 1 kV
- **Temperature range**  
flexing -15 °C<sup>1)</sup> to +80 °C  
fixed installation -40 °C to +80 °C
- **Nominal voltage** U<sub>n</sub>/U 0,6/1 kV
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Current carrying capacity**  
in accordance to VDE 0298 part 4
- **Minimum bending radius**  
flexing 7,5x cable ø  
fixed installation 4x cable ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)
- <sup>1)</sup> cold bending test, impact resistance test at low temperatures, elongation test at low temperatures. Tested according VDE 0473 part 811-1-4, EN 60811-1-4

## Cable structure

- Bare copper, fine wire conductors, as per DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation TI2, to DIN VDE 0281 part 1
- Black cores with white figure imprints to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special PVC outer sheath TM2, to DIN VDE 0281 part 1
- Colour black (RAL 9005)
- with meter marking, change-over in 2011

## Properties

- Extensively oil resistant, oil-/ chemical resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
- **UV- resistant**

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core (OZ).
- Different dimensions are also available with red resp. blue cores.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- **screened analogue type:**  
**JZ-600-Y-CY** see page A 36

## Application

Wiring cable for measuring and controlling purposes in tool machinery, conveyor belts and production lines, for plant installations, air conditioning and in steel production plants and rolling mills. Suitable for installation for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms as well as outside (fixed installation). Is not suitable to be used as direct burial- or as underwater cable. The cores have been numbered in such a way that the numbers are easily identifiable, even if the cable has only been stripped back a few cm. The core numbers have been underlined to avoid confusion. The earth core is located in the outer layer. The black, special PVC outer sheath is resistant to the ultra violet radiation. Mainly used in South-European, Eastern and Arabian countries.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10550	2 x 0,5	6,3	9,6	56,0	20
10551	3 G 0,5	6,6	14,4	68,0	20
10552	3 x 0,5	6,6	14,4	68,0	20
10553	4 G 0,5	7,2	19,0	100,0	20
10554	4 x 0,5	7,2	19,0	100,0	20
10555	5 G 0,5	8,0	24,0	117,0	20
10556	5 x 0,5	8,0	24,0	117,0	20
10557	6 G 0,5	8,7	29,0	126,0	20
10558	7 G 0,5	8,7	33,6	138,0	20
10559	7 x 0,5	8,7	33,6	138,0	20
10560	8 G 0,5	9,5	38,0	150,0	20
10561	8 x 0,5	9,5	38,0	150,0	20
10562	10 G 0,5	10,6	48,0	176,0	20
10563	12 G 0,5	11,4	58,0	200,0	20
10564	12 x 0,5	11,4	58,0	200,0	20
10565	14 G 0,5	12,3	67,0	230,0	20
10566	16 G 0,5	12,9	76,0	250,0	20
10567	18 G 0,5	13,8	86,0	276,0	20
10568	20 G 0,5	14,4	96,0	293,0	20
10569	21 G 0,5	14,4	96,0	305,0	20
10570	25 G 0,5	16,1	120,0	335,0	20
10571	30 G 0,5	17,2	144,0	348,0	20
10572	32 G 0,5	18,0	154,0	355,0	20
10573	34 G 0,5	18,7	163,0	520,0	20
10574	40 G 0,5	19,5	192,0	590,0	20
10575	42 G 0,5	20,1	202,0	595,0	20
10576	50 G 0,5	22,1	240,0	715,0	20
10577	52 G 0,5	22,1	252,0	740,0	20
10578	61 G 0,5	23,6	295,0	840,0	20
10579	65 G 0,5	24,4	312,0	880,0	20
10580	80 G 0,5	27,2	384,0	960,0	20
10581	100 G 0,5	31,2	480,0	1050,0	20

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10582	2 x 0,75	6,6	14,4	66,0	18
10583	3 G 0,75	6,9	21,6	74,0	18
10584	3 x 0,75	6,9	21,6	74,0	18
10585	4 G 0,75	7,5	29,0	126,0	18
10586	4 x 0,75	7,5	29,0	126,0	18
10587	5 G 0,75	8,4	36,0	140,0	18
10588	5 x 0,75	8,4	36,0	140,0	18
10589	6 G 0,75	9,3	43,0	170,0	18
10590	6 x 0,75	9,3	43,0	170,0	18
10591	7 G 0,75	9,3	50,0	190,0	18
10592	7 x 0,75	9,3	50,0	190,0	18
10593	8 G 0,75	10,0	58,0	212,0	18
10594	8 x 0,75	10,0	58,0	212,0	18
10595	9 G 0,75	10,9	65,0	227,0	18
10596	10 G 0,75	11,1	72,0	238,0	18
10597	12 G 0,75	12,2	86,0	257,0	18
10598	12 x 0,75	12,2	86,0	257,0	18
10599	14 G 0,75	12,9	101,0	286,0	18
10600	15 G 0,75	13,8	108,0	319,0	18
10601	18 G 0,75	14,5	130,0	362,0	18
10602	20 G 0,75	15,4	144,0	394,0	18
10603	21 G 0,75	15,4	151,0	422,0	18
10604	25 G 0,75	17,2	180,0	486,0	18
10605	32 G 0,75	19,0	230,0	595,0	18
10606	34 G 0,75	19,9	245,0	638,0	18
10607	37 G 0,75	19,9	260,0	696,0	18
10608	40 G 0,75	20,6	288,0	726,0	18
10609	41 G 0,75	20,6	296,0	750,0	18
10610	42 G 0,75	21,5	302,0	770,0	18
10611	50 G 0,75	23,7	360,0	895,0	18
10612	61 G 0,75	25,3	439,0	1070,0	18
10613	65 G 0,75	26,0	468,0	1110,0	18
10614	80 G 0,75	28,9	576,0	1500,0	18
10615	100 G 0,75	33,2	720,0	1889,0	18

Continuation ▶